

BIOLOGY 1313_01 GENERAL ZOOLOGY (4 CREDIT HOURS)
Syllabus and Course Information Fall 2016

Instructor: Sean P. Graham
Office: WSB 221
Phone: (432) 837-8084
Class time: MWF 10:00-10:50; WSB 201

Office hours: MWF 11-12; T-TH 2-3; by appt.
Email: sean.graham@sulross.edu (Type
"Biology 1313" in subject line)

TEXTBOOKS:

Lecture: Miller, Stephen A. and John P. Harley. 2013. *Zoology*, 9th edition. McGraw Hill.
ISBN 978-0-07-352417-7; ISBN 0-07-352417-4 [OPTIONAL]

Lab: Smith, David G. 2002. *Exercises for the Zoology Laboratory*, 3rd ed. Morton Publishing.
ISBN 978-1-61731-062-1 [REQUIRED]

COURSE DESCRIPTION

General Zoology provides a general survey of the animal kingdom, which considers the fundamentals of biological facts, laws, and principals as they apply to animals and functions of the organs and systems of representative animals.

ATTENDANCE. Missing any exam without notifying me in advance will result in a zero for that exam grade—no exceptions. Your reason for missing must adhere to the university excused absences policy (a documented family or health emergency) and you must tell me in person. You will have seven days (including weekends) from the exam date to make up a missed exam; the makeup exam will be different from the original exam. If you fail to appear (on time) for your scheduled exam or a makeup exam, you will be given a zero for that exam. ****If you arrive for an exam after other students have completed and turned in their exam, you will not be allowed to take the exam.**** Finally, if you miss a class, it is your responsibility to get notes and other important information from a classmate. I will not re-teach lectures on an individual basis.

GRADING

Your grade will be determined based on your performance in lecture component of this course.

Comprehension Tests (4 @ 100 pts) 400
Quizzes and reaction papers 100
TOTAL 500 points

The use of books, notes, cell phones, etc. during exams is not permitted. The only item allowed at your desk during an exam is a writing implement.

Program Learning Outcomes for biology (PLOs):

1. Demonstrate an understanding of evolution by natural selection
2. Demonstrate an integration of environmental awareness into everyday modern life
3. Understand how to incorporate molecular biology into the study of whole organisms
4. Demonstration utilization of various field techniques toward addressing scientific questions in the discipline
5. Conduct basic laboratory experiments utilizing standard observational strategies

Tentative schedule (subject to change)

Week	Topic	Chapter
1	Intro: Life on Earth; Zoology; The Evolutionary and Ecological Perspective	1/6
1	The Chemistry of Life (not in textbook)	X
2	The Chemistry of Life (not in textbook)	X
2	Cells, Tissues, organs	2
3	Cell division (mitosis)	3
First Exam: September 23, 2016		
3	Inheritance (Meiosis, genetics, DNA)	3
4	Cellular respiration (and photosynthesis)	X
5	Evolution	5
6	Evolution	5
6	Evolution	5
Second Exam: October 21, 2016		
7	Species concepts and speciation	8
8	Rise of the animals	8
8	Porifera and Cnidaria	9
8	Platyhelminthes	10
9	Mollusks	11
10	Annelids and Nematodes and others	12
Third Exam; November 18, 2016		
11	Arthropods	14
11	Hexapoda	15
12	Dueterostomes: Echinoderms and Chordates	16/17
12	Chordates (11/14 Last day to drop with a W)	17
13	Fishes	18
13	Amphibians and Reptiles	19/20
14	Birds	21
Thanksgiving Holiday Nov 23-25		
14	Yay! Mammals	22

Final Exam; TBA-Finals Week

Students with disabilities will be provided reasonable accommodations. If you would like to request such accommodations because of physical, mental, or learning disability, please contact the ADA Coordinator for Program Accessibility at 837-8203, FH 112.